

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference AST38 (WO)	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/GB2005/005097	International filing date (day/month/year) 30/12/2005	(Earliest) Priority Date (day/month/year) 30/12/2004
Applicant ASTEX THERAPEUTICS LIMITED		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:

- ☒ the international application in the language in which it was filed
☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☒ **Certain claims were found unsearchable** (See Box No. II)

3. ☐ **Unity of invention is lacking** (see Box No III)

4. With regard to the **title**,

- ☐ the text is approved as submitted by the applicant
☒ the text has been established by this Authority to read as follows:

PYRAZOLE COMPOUNDS THAT MODULATE TEH ACTIVITY OF CDK, GSK AND AURORA KINASIS

5. With regard to the **abstract**,

- ☒ the text is approved as submitted by the applicant
☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. _____
☐ as suggested by the applicant
☐ as selected by this Authority, because the applicant failed to suggest a figure
☐ as selected by this Authority, because this figure better characterizes the invention
b. ☒ none of the figures is to be published with the abstract

INTERNATIONAL SEARCH REPORT

International application No

PCT/GB2005/005097

A. CLASSIFICATION OF SUBJECT MATTER

INV. C07D403/04 C07D513/04 C07D407/14 A61K31/4184 A61P35/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2004/214814 A1 (BEBBINGTON DAVID ET AL) 28 October 2004 (2004-10-28) paragraph [0014] - paragraph [0034] paragraph [0051] - paragraph [0060] -----	1-131
A	WO 01/79198 A (AGOURON PHARMACEUTICALS, INC) 25 October 2001 (2001-10-25) page 11, line 19 - page 13, line 2 -----	1-131
A	WO 01/57022 A (VERTEX PHARMACEUTICALS INCORPORATED; GREEN, JEREMY; CAO, JINGRONG; HAL) 9 August 2001 (2001-08-09) page 38, line 22 - page 39, line 6; claim 1 ----- -/--	1-131



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

28 March 2006

Date of mailing of the international search report

04/04/2006

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040. Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Usuelli, A

INTERNATIONAL SEARCH REPORT

International application No

PCT/GB2005/005097

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 2005/002552 A (ASTEX TECHNOLOGY LIMITED; BERDINI, VALERIO; O'BRIEN, MICHAEL, ALISTAIR) 13 January 2005 (2005-01-13) cited in the application page 14, line 25 - page 19, line 10; compounds 178,219,220,234,241,274,305E -----	1-131
X	WO 03/035065 A (AVENTIS PHARMACEUTICALS INC; EDWARDS, MICHAEL, LOUIS; COX, PAUL, JOSEP) 1 May 2003 (2003-05-01) cited in the application Schemes 5-14 -----	117-119, 124

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2005/005097

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 85-92, 97-102, 105 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB2005/005097

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2004214814	A1	28-10-2004	NONE	
WO 0179198	A	25-10-2001	AU 4986501 A BR 0110302 A CA 2398446 A1 EP 1274706 A1 JP 2004501083 T MX PA02010222 A	30-10-2001 14-01-2003 25-10-2001 15-01-2003 15-01-2004 23-05-2003
WO 0157022	A	09-08-2001	AU 782775 B2 AU 3672301 A BG 106054 A BR 0104424 A CA 2369504 A1 CN 1362953 A CZ 20013540 A3 EP 1200422 A2 HU 0202332 A2 JP 2003522163 T LT 2001103 A NO 20014837 A NZ 514583 A SK 14082001 A3 TR 200103787 T1	25-08-2005 14-08-2001 28-06-2002 08-01-2002 09-08-2001 07-08-2002 13-03-2002 02-05-2002 28-10-2002 22-07-2003 25-10-2002 04-12-2001 28-05-2004 05-03-2002 21-10-2002
WO 2005002552	A	13-01-2005	AU 2004253338 A1 CA 2531050 A1	13-01-2005 13-01-2005
WO 03035065	A	01-05-2003	BR 0213562 A CA 2465247 A1 EP 1441725 A1 JP 2005509633 T MX PA04003954 A	31-08-2004 01-05-2003 04-08-2004 14-04-2005 29-11-2004